RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/518,941
Source: PCT
Date Processed by STIC: 02/15/2006

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RAW SEQUENCE LISTING DATE: 02/15/2006
PATENT APPLICATION: **US/10/518,941** TIME: 09:51:57

Input Set : **A:\JHU1880-1.ST25.txt**
Output Set: **N:\CRF4\02152006\J518941.raw**

```
      3 <110> APPLICANT: THE JOHNS HOPKINS UNIVERSITY
      4       WORLEY, Paul F.
      6 <120> TITLE OF INVENTION: METHOD OF SCREENING FOR AGENTS THAT MODULATE
      7       IMMUNOPHILIN/PEPTIDYLPROLINE CIS-TRANS ISOMERASE (PPIASE)-HOMER
      8       INTERACTION
     10 <130> FILE REFERENCE: JHU1880-1
     12 <140> CURRENT APPLICATION NUMBER: US 10/518,941
C--> 13 <141> CURRENT FILING DATE: 2004-12-17
     15 <150> PRIOR APPLICATION NUMBER: PCT/US03/19499
     16 <151> PRIOR FILING DATE: 2003-06-18
     18 <150> PRIOR APPLICATION NUMBER: US 60/398,511
     19 <151> PRIOR FILING DATE: 2002-06-18
     21 <160> NUMBER OF SEQ ID NOS: 30
     23 <170> SOFTWARE: PatentIn version 3.3
     25 <210> SEQ ID NO: 1
     26 <211> LENGTH: 5
     27 <212> TYPE: PRT
     28 <213> ORGANISM: Artificial sequence
     30 <220> FEATURE:
     31 <223> OTHER INFORMATION: Synthetic construct
     34 <220> FEATURE:
     35 <221> NAME/KEY: misc_feature
     36 <222> LOCATION: (3)..(4)
     37 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
     39 <400> SEQUENCE: 1
W--> 41 Pro Pro Xaa Xaa Phe
     42 1               5
     45 <210> SEQ ID NO: 2
     46 <211> LENGTH: 6
     47 <212> TYPE: PRT
     48 <213> ORGANISM: Artificial sequence
     50 <220> FEATURE:
     51 <223> OTHER INFORMATION: Synthetic construct
     53 <400> SEQUENCE: 2
     55 Thr Pro Pro Ser Pro Phe
     56 1               5
     59 <210> SEQ ID NO: 3
     60 <211> LENGTH: 4
     61 <212> TYPE: PRT
     62 <213> ORGANISM: Artificial sequence
     64 <220> FEATURE:
     65 <223> OTHER INFORMATION: Synthetic construct
     68 <220> FEATURE:
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(pg 6)

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     69 <221> NAME/KEY: misc_feature
     70 <222> LOCATION: (2)..(3)
     71 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
     73 <400> SEQUENCE: 3
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     76 1
     79 <210> SEQ ID NO: 4
     80 <211> LENGTH: 4
     81 <212> TYPE: PRT
     82 <213> ORGANISM: Artificial sequence
     84 <220> FEATURE:
     85 <223> OTHER INFORMATION: Synthetic construct
     87 <400> SEQUENCE: 4
     89 Pro Ser Ser Pro
     90 1
     93 <210> SEQ ID NO: 5
     94 <211> LENGTH: 10
     95 <212> TYPE: PRT
     96 <213> ORGANISM: Artificial sequence
     98 <220> FEATURE:
     99 <223> OTHER INFORMATION: Synthetic construct
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    103 Leu Pro Ser Ser Pro Ser Ser Ser Ser Pro
    104 1               5                   10
    107 <210> SEQ ID NO: 6
    108 <211> LENGTH: 558
    109 <212> TYPE: DNA
    110 <213> ORGANISM: Rat
    112 <400> SEQUENCE: 6
    113 atgggggaac aacctatctt cagcactcga gctcatgtct tccagatcga cccaaacaca     60
    115 aagaagaact gggtacccac cagcaagcat gcagttactg tgtcttattt ctatgacagc    120
    117 acaaggaatg tgtataggat aatcagtcta gacggctcaa aggcaataat aaatagcacc    180
    119 atcactccaa acatgacatt tactaaaaca tctcaaaagt ttggccaatg ggctgatagc    240
    121 cgggcaaaca ctgtttatgg actgggattc tcctctgagc atcatctctc aaaatttgca    300
    123 gaaaagtttc aggaatttaa agaagctgct cggctggcaa aggagaagtc gcaggagaag    360
    125 atggaactga ccagtacccc ttcacaggaa tcagcaggag gagatcttca gtctccttta    420
    127 acaccagaaa gtatcaatgg gacagatgat gagagaacac ccgatgtgac acagaactca    480
    129 gagccaaggg ctgagccagc tcagaatgca ttgccatttt cacataggta cacattcaat    540
    131 tcagcaatca tgattaaa                                                 558
    134 <210> SEQ ID NO: 7
    135 <211> LENGTH: 186
    136 <212> TYPE: PRT
    137 <213> ORGANISM: Rat
    139 <400> SEQUENCE: 7
    141 Met Gly Glu Gln Pro Ile Phe Ser Thr Arg Ala His Val Phe Gln Ile
    142 1               5                   10                  15
    145 Asp Pro Asn Thr Lys Lys Asn Trp Val Pro Thr Ser Lys His Ala Val
    146             20                  25                  30
    149 Thr Val Ser Tyr Phe Tyr Asp Ser Thr Arg Asn Val Tyr Arg Ile Ile
```

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```
150         35                  40                  45
153 Ser Leu Asp Gly Ser Lys Ala Ile Ile Asn Ser Thr Ile Thr Pro Asn
154     50                  55                  60
157 Met Thr Phe Thr Lys Thr Ser Gln Lys Phe Gly Gln Trp Ala Asp Ser
158 65                  70                  75                  80
161 Arg Ala Asn Thr Val Tyr Gly Leu Gly Phe Ser Ser Glu His His Leu
162                 85                  90                  95
165 Ser Lys Phe Ala Glu Lys Phe Gln Glu Phe Lys Glu Ala Ala Arg Leu
166             100                 105                 110
169 Ala Lys Glu Lys Ser Gln Glu Lys Met Glu Leu Thr Ser Thr Pro Ser
170         115                 120                 125
173 Gln Glu Ser Ala Gly Gly Asp Leu Gln Ser Pro Leu Thr Pro Glu Ser
174     130                 135                 140
177 Ile Asn Gly Thr Asp Asp Glu Arg Thr Pro Asp Val Thr Gln Asn Ser
178 145                 150                 155                 160
181 Glu Pro Arg Ala Glu Pro Ala Gln Asn Ala Leu Pro Phe Ser His Arg
182                 165                 170                 175
185 Tyr Thr Phe Asn Ser Ala Ile Met Ile Lys
186             180                 185
189 <210> SEQ ID NO: 8
190 <211> LENGTH: 5
191 <212> TYPE: RNA
192 <213> ORGANISM: Artificial sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Synthetic construct
197 <400> SEQUENCE: 8
198 auuua                                                              5
201 <210> SEQ ID NO: 9
202 <211> LENGTH: 4
203 <212> TYPE: PRT
204 <213> ORGANISM: Artificial sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Synthetic construct
209 <400> SEQUENCE: 9
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212 1
215 <210> SEQ ID NO: 10
216 <211> LENGTH: 4
217 <212> TYPE: PRT
218 <213> ORGANISM: Artificial sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Synthetic construct
223 <400> SEQUENCE: 10
225 Ser Ser Ser Leu
226 1
229 <210> SEQ ID NO: 11
230 <211> LENGTH: 4
231 <212> TYPE: PRT
232 <213> ORGANISM: Rat
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RAW SEQUENCE LISTING DATE: 02/15/2006
PATENT APPLICATION: **US/10/518,941** TIME: 09:51:57

Input Set : **A:\JHU1880-1.ST25.txt**
Output Set: **N:\CRF4\02152006\J518941.raw**

234 <400> SEQUENCE: 11
236 Ala Val Thr Val
237 1
240 <210> SEQ ID NO: 12
241 <211> LENGTH: 4
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Synthetic construct
248 <400> SEQUENCE: 12
250 Gly His Arg Phe
251 1
254 <210> SEQ ID NO: 13
255 <211> LENGTH: 5
256 <212> TYPE: PRT
257 <213> ORGANISM: Artificial sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Synthetic construct
262 <400> SEQUENCE: 13
264 Leu Pro Pro Pro Phe
265 1 5
268 <210> SEQ ID NO: 14
269 <211> LENGTH: 5
270 <212> TYPE: PRT
271 <213> ORGANISM: Artificial sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Synthetic construct
276 <400> SEQUENCE: 14
278 Leu Pro Pro Pro Arg
279 1 5
282 <210> SEQ ID NO: 15
283 <211> LENGTH: 5
284 <212> TYPE: PRT
285 <213> ORGANISM: Artificial sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Synthetic construct
290 <400> SEQUENCE: 15
292 Leu Pro Leu Pro Phe
293 1 5
296 <210> SEQ ID NO: 16
297 <211> LENGTH: 5
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Synthetic construct
304 <400> SEQUENCE: 16
306 Leu Leu Pro Pro Phe
307 1 5
310 <210> SEQ ID NO: 17

RAW SEQUENCE LISTING DATE: 02/15/2006
PATENT APPLICATION: **US/10/518,941** TIME: 09:51:57

Input Set : **A:\JHU1880-1.ST25.txt**
Output Set: **N:\CRF4\02152006\J518941.raw**

311 <211> LENGTH: 10
312 <212> TYPE: PRT
313 <213> ORGANISM: Artificial sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Synthetic construct
318 <400> SEQUENCE: 17
320 Leu Pro Ser Ser Ala Ser Ser Ser Ser Pro
321 1 5 10
324 <210> SEQ ID NO: 18
325 <211> LENGTH: 10
326 <212> TYPE: PRT
327 <213> ORGANISM: Artificial sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Synthetic construct
332 <400> SEQUENCE: 18
334 Ala Pro Ser Ser Pro Ser Ser Ser Ser Pro
335 1 5 10
338 <210> SEQ ID NO: 19
339 <211> LENGTH: 10
340 <212> TYPE: PRT
341 <213> ORGANISM: Artificial sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Synthetic construct
346 <400> SEQUENCE: 19
348 Leu Pro Ser Ser Pro Ser Ser Ser Ser Ala
349 1 5 10
352 <210> SEQ ID NO: 20
353 <211> LENGTH: 5
354 <212> TYPE: PRT
355 <213> ORGANISM: Artificial sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Synthetic construct
360 <400> SEQUENCE: 20
362 Leu Pro Ser Ser Pro
363 1 5
366 <210> SEQ ID NO: 21
367 <211> LENGTH: 6
368 <212> TYPE: PRT
369 <213> ORGANISM: Artificial sequence
371 <220> FEATURE:
372 <223> OTHER INFORMATION: Synthetic construct
375 <220> FEATURE:
376 <221> NAME/KEY: misc_feature
377 <222> LOCATION: (3)..(4)
378 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
380 <400> SEQUENCE: 21
W--> 382 Pro Pro Xaa Xaa Phe Arg
383 1 5
386 <210> SEQ ID NO: 22

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/15/2006
PATENT APPLICATION: **US/10/518,941** TIME: 09:51:58

Input Set : **A:\JHU1880-1.ST25.txt**
Output Set: **N:\CRF4\02152006\J518941.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 3,4
Seq#:3; Xaa Pos. 2,3
Seq#:21; Xaa Pos. 3,4
Seq#:23; Xaa Pos. 3

VERIFICATION SUMMARY DATE: 02/15/2006
PATENT APPLICATION: **US/10/518,941** TIME: 09:51:58

Input Set : **A:\JHU1880-1.ST25.txt**
Output Set: **N:\CRF4\02152006\J518941.raw**

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0